

Release notes for ENDF/B Development dec-000\_Nn\_001  
evaluation

**ENDF**  
**B-VII**.dev

October 13, 2016

- **fizcon** Warnings:

1. The decay library is so big that we ran out of MAT numbers, when following the ENDF convention. So, MAT numbers are messed up as well as ZAs one computes from them.  
*MAT= 1, MF= 1, MT=451 (1): Ran out of MATs*

```
ERROR(S) FOUND IN MAT= 1, MF= 1, MT=451
ZA SHOULD BE SET TO 1.01000E+02
```

2. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei  
*MAT= 1, MF= 8, MT=457 (1): FT value OK*

```
ERROR(S) FOUND IN MAT= 1, MF= 8, MT=457
ERROR CALCULATING BETA SPECTRUM INTEGRAL
```

3. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei  
*MAT= 1, MF= 8, MT=457 (2): FT value OK*

```
ERROR(S) FOUND IN MAT= 1, MF= 8, MT=457
FT VALUE TOO SMALL
```

4. FIZCON apparently has a bug in its calculation of log(FT) values that causes it to have trouble with nearly stable nuclei  
*MAT= 1, MF= 8, MT=457 (3): FT value OK*

```
ERROR(S) FOUND IN MAT= 1, MF= 8, MT=457
FT= 0.00000E+00 E= 7.82347E+05 I= 1
```